

REMARKS

Applicants have amended claims 1-13 and added new claims 20 and 21. Claims 1-21 are now pending.

In the Office Action, the Examiner rejected claims 1-19 under 35 U.S.C. 102(e) as being anticipated by Takigawa et al. (U.S. Patent No. 6,097,744). Applicants traverse this rejection, at least for the following reasons.

Applicants submit that Takigawa et al. does not disclose or suggest the combination now recited in claim 1 comprising first and second spaces each having side walls with rounded corner portions at a location proximate holes communicating the first and second spaces. Support for this recitation can be found in Applicants' specification at, for example, page 9, lines 14-16, where it is indicated that "in the supply water path groove portion 22, corner portions 22a are rounded in order to lower the flow resistance of the cooling water flowing through the heat sink 10a and reduce its stagnation." In contrast, the portion of Takigawa et al. relied on primarily by the Office Action in rejecting claim 1, namely, Figs. 2A-2E and 4A-4D, does not incorporate such rounded corner portions at a location proximate any holes and therefore does not provide the aforementioned advantages outlined in the specification. For at least this reason, Applicants respectfully request reconsideration and withdrawal of the rejections applied to independent claim 1 and its dependent claims 2-19.

Applicants also submit that new claims 20 and 21 patentably distinguish over the applied art. For example, Applicants submit that Takigawa et al. does not disclose or suggest the combination recited in claim 20 wherein the first space is formed in part by an integrally formed

first member and the second space is formed in part by an integrally formed second member.

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Such a construction reduces the number of parts involved as compared, for example, to the heat sink structure shown in Figs. 2A-2D of Takigawa et al., which requires no less than five planar members 21-25 to accomplish a single heat sink cooling device 20. More particularly, the structure recited in claims 20 and 21 corresponds to the structure depicted in Figs. 2A-2C of Applicants' specification, for example, which due to the use of integrally formed planar members 12 and 16 only requires three layers to form a heat sink as compared to the five layers depicted in Figs. 2A-2E of Takigawa et al.

For at least the foregoing reasons, Applicants submit that all of pending claims 1-21 patentably distinguish over the references applied against the claims in the pending Office Action. Accordingly, reconsideration and withdrawal of all pending rejections is respectfully requested, along with an indication of allowance for all of the pending claims. A favorable action is awaited.

CONCLUSION

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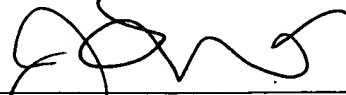
In view of the foregoing, Applicants submit that the pending claims are in condition for allowance, and respectfully request reconsideration and the timely allowance of the pending claims. Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicants' undersigned representative to expedite prosecution. A favorable action is awaited.

Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0310.

This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

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